VOLUME 1 - NO. 10 JANUARY 1994

The Low Band Monitor

January 94 Fizzles

The first part of January brought many DXers some excellent low band opportunities. Excellent 80 meter long path was experienced here in the mornings, some evening 160 meter paths into Europe were observed and 40 meters was simply fantastic.

For the first time in years I truly felt like I was getting back into the game with some good low band DX being worked.

During the latter part of January the propagation gods apparently had a mood swing and the low bands took a drop similar to those experienced in the summer months.

Low band propagation conditions were so bad here that at first I thought I was having front end problems with the transceiver. Subsequent telephone calls around the country indicated that I was not alone, conditions had deterierated in most parts of the world for the last two weeks in January.

For this reason the low band spots this month will have more emphasis (bias) on the earlier part of January than the latter parts of January, where opportunities simply disappeared.

General Spot Policies

This newsletter receives low band spots in a number of ways. Clark, W8TN sends me a disk around the end of each month that contains well over 1500 low band spots from Ed, N8HTT's DX Spotting Node, in Baltimore Ohio, that is a part of the Central Ohio DX Packet Network.

Next we peruse the KY0A cluster here in Denver's low band spots and then merge these with the better quality spots received from our readers. Keep those jewels coming!

From this monthly count, that for the last few months averages around 2000 total spots, we filter out the spots first by quality and then delete the duplicates.

Older spots tend to be deleted first if propagation tends to be constant for the month in question. Some of the rarer stations and DXpeditions are tracked for a number of days to indicate operating habits.

If we receive a spot after our printing deadline from one of our subscribers, that information is saved for our upcoming propagation study.

Ten Best Propagation Days

Many thanks to those of you who have sent in your "10 Best Propagation Days" forms. If you haven't submitted yours yet, please spend a few minutes and send it to us. Your information will be greatly appreciated and will be added to the study.

March 1 has been established as a closing date for these reports, so send us yours today.

Boulder "A" Index

An error appeared in our last issue regarding the Boulder "A" Index. This index is updated every 24 hours but the actual change is made at 1800Z on WWV and not at 0000Z as reported.

This corrected information has no effect on our study, but is provided here to clarify why you have two different Boulder "A" 24 Hour Indices in a given Greenwich or UTC 24 hour period.

This fact would probably be a good trivia question to spring on one of your DX friends.

Lance Johnson - Editor

Low Band DX News

• Peter I Looking Good

As of 2:30PM on Jan 29 the ship had Peter I in sight seven to ten miles east of the island with landing operations to begin in one hour. Seas were calm, no wind and no pack ice was seen around the island. A good landing was anticipated. Look for signals beginning Tuesday February 1, 1994. QSL to KA6V.

TNX JULES W2JGR

• K3ZO Active From Thailand

Fred Laun K3ZO has been worked on 40 meters from Thailand on January 16. Look for HS0ZAR at your sunrise on 7.005 mz. if you need Zone 23 on 40 meters.

TNX W8UVZ

• Falklands Activated By Peter I Group

Part of the Peter I group arrived early in the Falklands and for a few days gave many low band DXers a new country on 40 and 80 meters as VP8BZL using a Battle Creek Special and 100 watts from a small city lot. Requests for QSL's should be sent to KA6V. Keep this QSL request separate from your Peter I QSL submissions.

LOW BAND MONITOR

• FK8CP Operating Schedule

Remi advises that he will be listening for W-VE stations on Feb 28, Mar 1, 2, and 3 of 1994. Call him on 1.846-1.848 mz. CW and listen for him on 1.842 mz. anytime between 0900 - 1020Z. Do not call him on 1.838 mz. as that is reserved for DX stations. Requests for schedules can be sent to Remi Touzard, B.P. 945, Noumea, New Caledonia.

TNX NI6T

• Southwest Ohio DX Dinner

The 9th Annual DX Dinner will be held Friday April 29th at the Stouffer Center Plaza Hotel in downtown Dayton, Ohio. There will be a cash bar at 6:30 with dinner being served at 7:15. Tickets must be purchased in advance and are available from Scott Lehman, N9AG, P.O. Box 803, Greenville, OH, 45331. Cost per person is $27.00. Make your check payable to S.W.O.D.X.A. and send an S.A.S.E. for ticket return. If you wish to sit as a group it would be appreciated that you order as a group. For more information call N9AG at (513) 548-6230 or Steve Bolia, N8BJQ at (513) 429-9954 Voice/FAX.

SOUTH WEST OHIO DX ASSOCIATION

• Dayton DX Hospitality Suite Extended

Thursday arrivals at this years Dayton Hamvention™ now have a place to go in the evening. The North Coast Contestors and Frankford Radio Club will be hosting the "Contest Super Suite" Thursday, Friday and Saturday (April 28, 28, and 30) at the Stouffer Center Plaza Hotel, *Miami Room*, in downtown Dayton, Ohio.

TNX K3LR

• Contest Banquet Scheduled

The North Coast Contestors and the Frankford Radio Club will host the "2nd Annual Contest Banquet" on Saturday night, April 30 at this years Dayton Hamvention™. Seating is limited, so send an S.A.S.E. for details to North Coast Contestors, P.O. Box 59, New Bedford, PA 16140.

TNX K3LR

Guide to the Sun - A Good Read

Kenneth J. H. Phillips Tells All - By K0CS

Editor's note: If you are looking for some reading material to peruse while you patiently wait for a low band opening, here it is! Kenneth J.H. Phillips has done a magnificent job revealing many of the secrets of the sun. The book is written in a form that will not intimidate the casual reader and it has enough new information and bibliography to impress the more mature solar enthusiast.

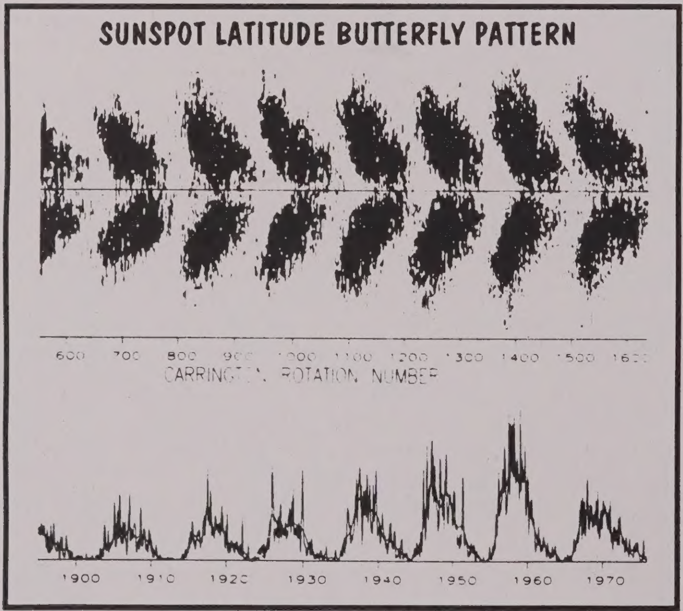
I was recently at the Aurora, Colorado Public Library looking for some information concerning the abandoned missile silos located about five miles from my home in Elbert County.

These *Viking II* silos were phased out in the mid sixties by the military when the *Minuteman* missile, solid fuel technology was subsequently developed and made the *Viking II's* obsolete.

I have always wondered about the politics of being selected for missile silos during the cold war. If your town is selected, you have the satisfaction of knowing that in the event of a confrontation with the enemy you are at ground (toast) zero.

Our silos are fully accessible for view by the public, as they are on the grounds of the Elbert County landfill. This is where I take my trash on Saturdays. Elbert counties most important strategic location, a major part of America's defense system for a few years in the 1960's era is now a trash dump. We have come a long way!

While exiting the library with my U.S. Air Force publication regarding I.C.B.M. evolution, by total coincidence I came across a new book that should be of interest to anyone who wants additional background information about the sun.



• FIGURE 1 - AS SOLAR FLUX VARIES WITH THE 11 YEAR CYCLE, SUNSPOT LOCATION ALSO VARIES WITH RESPECT TO THE SUN'S EQUATOR.

What a find! This book literally addresses all historical and scientific aspects that relate to the sun and it's effect on our planet.

Guide to the Sun, by Kenneth J.H. Phillips, was printed recently by the Cambridge University Press in 1992 and is identified by ISBN 0-521-39483-X.

The low band DXer will find this book to be very informative as a good portion of the manuscript relates directly to sunspots, aurora and geomagnetic phenomena that effects low (and high) frequency propagation.

The author has selected a writing style that he terms to be similar to articles found in *Scientific American* . This book is not a simple read, but is not so technical that the layman would be overwhelmed.

The author provides a handy section in the book that summarizes all of the notations and terms used in the book that should help the more casual reader quickly get up to speed.

The bibliographical references found in the book are valuable for the serious reader who would want to pursue additional sources.

I will briefly review some of the portions of the book that I found to be most interesting.

The History of Solar Science - The first forty six pages of the book will absolutely amaze you, as they review man's long term fascination and outright confusion about the sun.

Religious and political dogma probably kept the work of many enlightened solar observers clouded for centuries. Some of the earlier theories which today seem ridiculous were perpetuated for centuries by self proclaimed experts.

My favorite was the theory by a member of British Royalty who proclaimed that sunspots contained colonies of people. Today we laugh at theories like this. This view was accepted for 150 years in much of the scientific literature of that 17th century era.

Best Low Band Propagation - This would have occurred between 1645 - 1715. Sunspots were routinely observed in 1644 by a Polish astronomer, J. Hevelius. Not until 1671 were they again seen by Italian astronomer G. Cassini and then again by British Royal Astronomer, John Flamsteed, in 1684. No spots were seen again until 1715.

Years later some scientists speculated that the lack of sunspot observations during this period was due to "cockpit error" but it now appears that for some unknown reason very few spots were seen during this period.

Sporer brought this observation to the attention of the scientific community in the 1700's, but it was not until a paper written by Maunder in the 1920's that a "Maunder Minimum" was accepted by the scientific community.

This is the only time that the sunspot cycle has not adhered to the well known eleven year periodicity.

Think of the stable, quiet sun conditions that would have been present during that period. Too bad that radio didn't exist then.

General Sunspot Observations - Sunspots have been observed with the naked eye by different cultures for at least 1800 years. The development of the telescope made more accurate observations possible.

Some 27 solar maxima have been recorded quite accurately between 1700 and 1989, with most cycles adhering to the 11 year period.

The migration of sunspots towards the sun's equator during the solar cycle is a phenomena that is not well known by the radio enthusiast. It is a consistent occurrence that has been observed by the Greenwich Observatory since 1874 and yields a "butterfly" pattern that is shown in Figure 1.

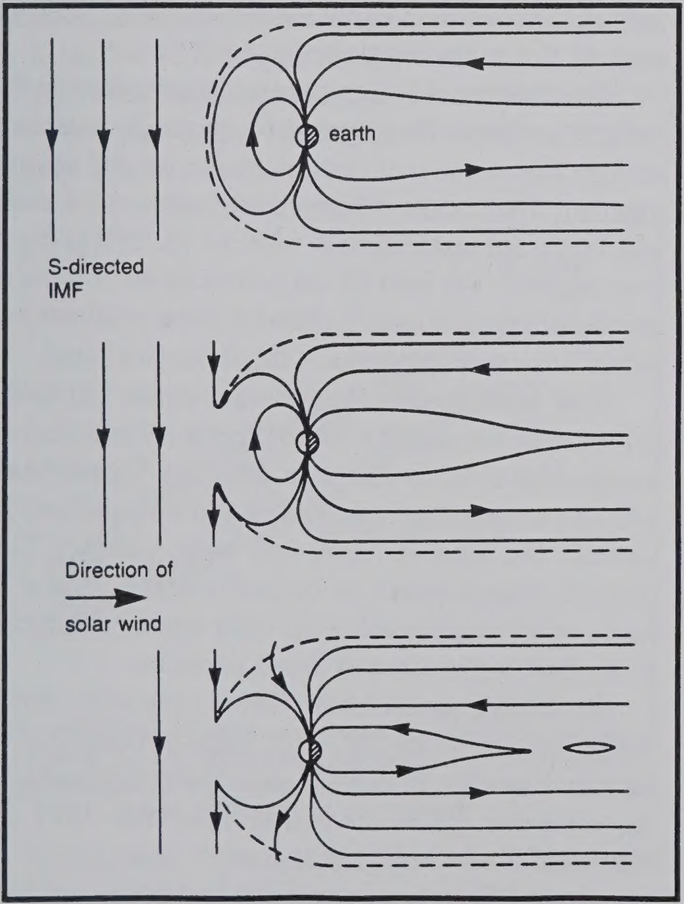
Note that during a solar minimum observed sunspots are normally found near the sun's equator, during a solar maximum observed spots tend to be farther away from the sun's equator.

Crochets - Magnetic Storms - Sub Storms - The author does a good job in reviewing various types of solar disturbance and the effects they have on the earth's geomagnetic field. A few brief descriptions follow:

Crochets are small changes in the earth's geomagnetic field, consisting of a sudden initial phase and more gradual return to the pre flare field. They occur in daylight hours only and are caused by soft X-ray emission during solar flares.

Magnetic Storms are much larger and are associated with solar wind disturbances such as mass ejections and high speed wind streams. A *magnetic storm* is world wide, and unlike a crochet it does not occur only on the sunlit side of the earth, although the sudden commencement is not simultaneous, rather taking a few minutes to encompass the earth.

Substorms are magnetic disturbances that occur in a limited region of the earth, near the magnetic poles and can occur within a *magnetic storm* or during an undisturbed period.



• **FIGURE 2** - THE MECHANISM THAT CREATES A SUBSTORM - THE PLASMOID.

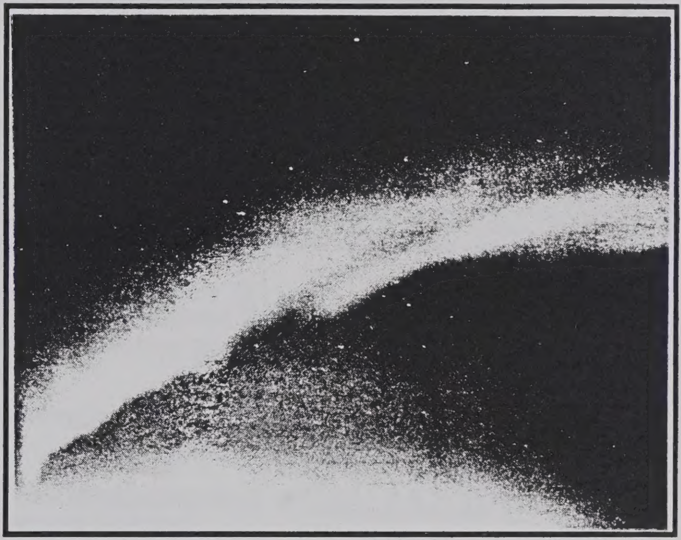
A *substorm* is thought to be initiated by processes in the plasma sheet. A thinning of the sheet occurs, allowing reconnection that results in plasma convected both towards the earth on the earthward side of the reconnection site and away from the earth in the form of plasmoids as seen in Figure 2.

The author's treatment of solar flares and aurora is also very informative and easy to understand. Most key topic are either illustrated with charts or accompanying photos like the discrete aurora in Figure 3.

General Information - The author also discusses other solar topics that would be of a general interest, including the available amounts of solar energy delivered to the earth and a formal discussion on the ozone layer. Those of you that have a background in astronomy will also enjoy the chapter dedicated to the discussion of the sun from the "star" perspective.

I had to have an extra cup of coffee to be comfortable with the section on spectral lines, but found the discussion to be interesting. My last Physics class (Quantum Mechanics) was completed in 1969 and if you are like me you will be happy that the author has conveniently provided a handy appendix to politely refresh the readers memory.

Some of the tables presented in this book will also help you comprehend the tremendous difference in orders of magnitude for every parameter found when dealing with the sun. We sometimes forget that much of the sun's unpredictable nature relative to our planet is simply due to it's impressive size.



• **FIGURE 3** - DISCRETE AURORA PHOTOGRAPHED JUST BEFORE DAWN NEAR THE ANDOYA ROCKET RANGE IN NORTHERN NORWAY

Conclusion - This is simply a wonderful book. The low band DXer will enjoy it because it elegantly explains many of the phenomena that effects our propagation patterns. Because it is written from a general perspective, the reader can speculate on how the information in the book pertains to some of the accepted theories on DX propagation offered in other amateur radio journals and texts.

At the very least it offers a rather refreshing update on the sun that brings together a lot of new information that hasn't been offered to the general public in the last decade.

Ask your librarian to order a copy of *Guide to the Sun* by Kenneth J. H. Phillips so that everyone will have access to the valuable information it provides.

If you have your own scientific library I would suggest that you buy this book without any hesitation.

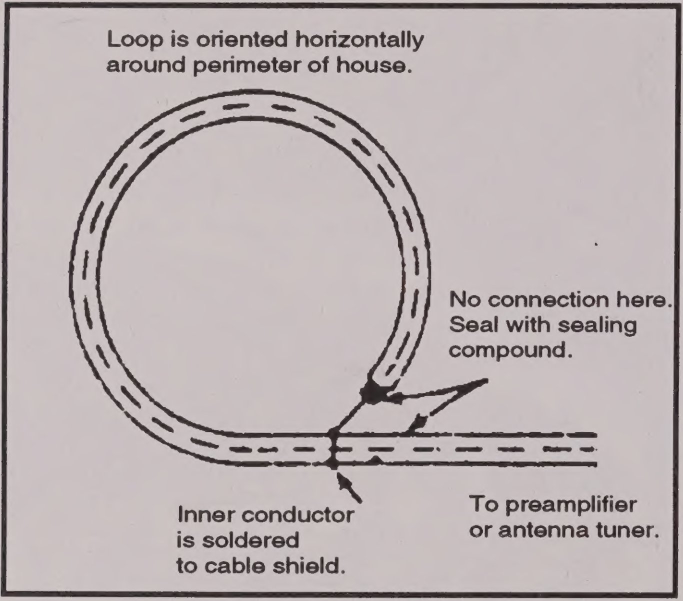
The *Low Band Monitor* recommends this book to our readers who wish to improve their knowledge of the force that drives our propagation trends. You will be enjoy reading *Guide to the Sun.*

City Lot Receiving Antennas

A Shielded Coaxial Link - by AB0X

Editor's note: We will take a look at low band receiving antennas for city lots with this article by Mike Crabtree, AB0X. Mike has paid his dues on the way to 154 confirmed countries on 160 meters. His discussion should be of interest to many low band DXers who don't own a lot of real estate.

There's little doubt that Beverage antennas are the best receiving antennas for serious 160 meter operation. Yet for the average amateur, especially the city dweller, such an antenna system is out of the question. If you have a minimum of 4 -5 acres of open land around your QTH, use a Beverage antenna and don't bother reading the rest of this article.


Loop is oriented horizontally around perimeter of house.
No connection here. Seal with sealing compound.
Inner conductor is soldered to cable shield.
To preamplifier or antenna tuner.

• **FIGURE 1** - THE BASIC SHIELDED COAXIAL LINK ANTENNA DISCUSSED BY W4UW AND USED BY AB0X.

If you use a vertical or a shunt fed tower for your 160 meter operation the following experiences may be of help to you. Vertical antennas are effective radiators on "top band" but they are extremely noisy. The urban 160 meter operator gets a double dose of receiving noise when atmospheric noise and man-made noise combine to make life really miserable.

My Kansas City, Kansas QTH unfortunately falls into this category and has caused considerable frustration over the years while operating on 160 meters. My shunt fed tower works well on transmit, but leaves a lot to be desired on receive. Over the years I have experimented with a number of receiving antennas that will be discussed briefly.

My garage looks like a graveyard of discarded 160 meter antennas. Three small receiving loops (used with a high quality pre-amp) along with a mass of tangled wire from numerous inverted-L's and other experiments all received unceremonious burials in the "wire room", a term my wife uses to describe the garage.

Everything I seemed to try on receive works well by the authors in the articles, but never very well at my QTH!

The evolution of my current listening antenna went something like this.

Horizontal Loop - A discussion with Fred, N0XA led me to try a full-wave horizontal loop constructed with copper wire. Shortened to 300 feet to fit my yard, fed with a 1:1 balun, matched to 1.830 mz. with a loading coil, and mounted at 7-8 feet above ground, this antenna had some marginal success.

The Snake - Another attempt was made with the "snake" antenna. Simply stretch as much coax in a straight line out in your yard, with the far end shorted together. Then at the receiver end make sure that the braid does not make contact with the PL-259 going to your receiver. My yard would permit about 100 feet of length for this antenna. It showed some potential and would have more potential if run through a tuner.

Bent Low Dipole - A half-wave dipole fed with a 1:1 balun and mounted at the 7-8 feet level with the two lengths bent to fit my yard was also tried. Signals heard with this antenna are typically 2 S-units down from the vertical, but there is much less noise pick up. This antenna always seems to outperform the vertical to Japan on 160 meters and is the clear winner 60 percent of the time to Europe and South America.

Shielded Coaxial Link - These prevcious experiments led me to try the loop antenna described by Richard Genaille, W4UW's, *Low Noise Coaxial Link Antennas For HF Receiving*, in December 1987 *CQ* Magazine. Refer to Figure 1.

At my QTH I had located the first horizontal loop close to the ground and believe that it was picking up noise being reradiated by my vertical antennas radial system.

Using the shielded coupling link method described by W4UW, I decided to elevate the loop to a slightly higher level by mounting it around the perimeter of my house. My loop was not quite the full 184 feet described by W4UW, but I was able to come up with a 176 foot loop in a perfectly flat plane located around my home's perimeter.

Using old-fashioned split prong clothes pins and my roofs shingles I was able to secure the loop to my roof in a secure manner. See Figure 2.

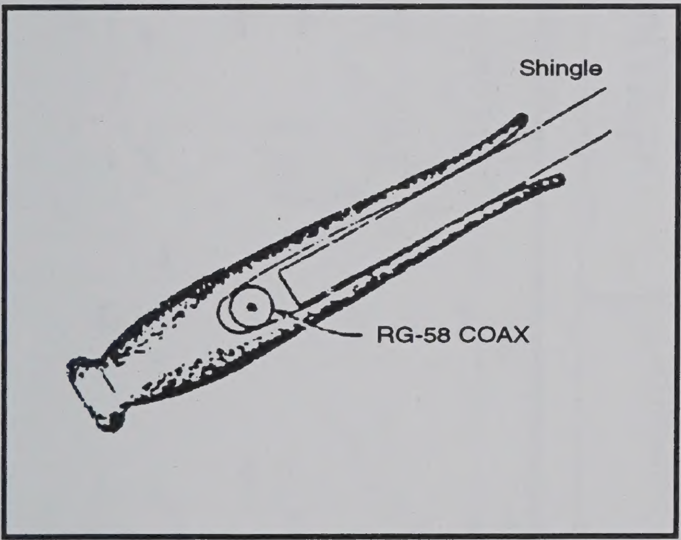
This antenna works well on 40 and 80 meters most of the time and has also been an effective performer on 160 meters. I use a Palomar preamplifier with this antenna and have even had some utilization of the loop on the higher frequency bands.

Constructed with light weight RG-58 coax it is practically invisible on my roof and offers better receive performance than all of my earlier efforts.

This antenna really works well on 80 meters when compared to my vertical. This is a significant statement because I worked 201 DXCC countries using the vertical system for receive.

The performance on 40 meters compared to my phased verticals has also been good. I can attribute my 40 meter 3W8CW contact to this antenna.

On 160 meters the performance is not like that of 40 or 80 meters, but the antenna has helped me work a number of new countries.



• FIGURE 2 - CLOTHES PIN METHOD USED TO HOLD COAXIAL LOOP TO ROOF SHINGLES AT AB0X QTH IN KANSAS CITY, KAMNSAS.

Conclusion - Give the Shielded Coaxial Link a try! Don't worry about the dimensions or shape of your building, just keep the loop as horizontal as possible.

This antenna is not a world class design, it's certainly not optimum, but it might give you Q5 reception when your vertical doesn't and that is what puts new low band countries into your log.

Low Band Monitor

12 Monthly Issues

$24.00 U.S.A

$28.00 Canada

$36.00 DX

VISA and MasterCard Accepted

Lance Johnson Digital Graphics
P.O. Box 1047
Elizabeth, CO 80107

(303) 646-4630

Subscribers: Don't forget to send in your 10 best propagation days data!

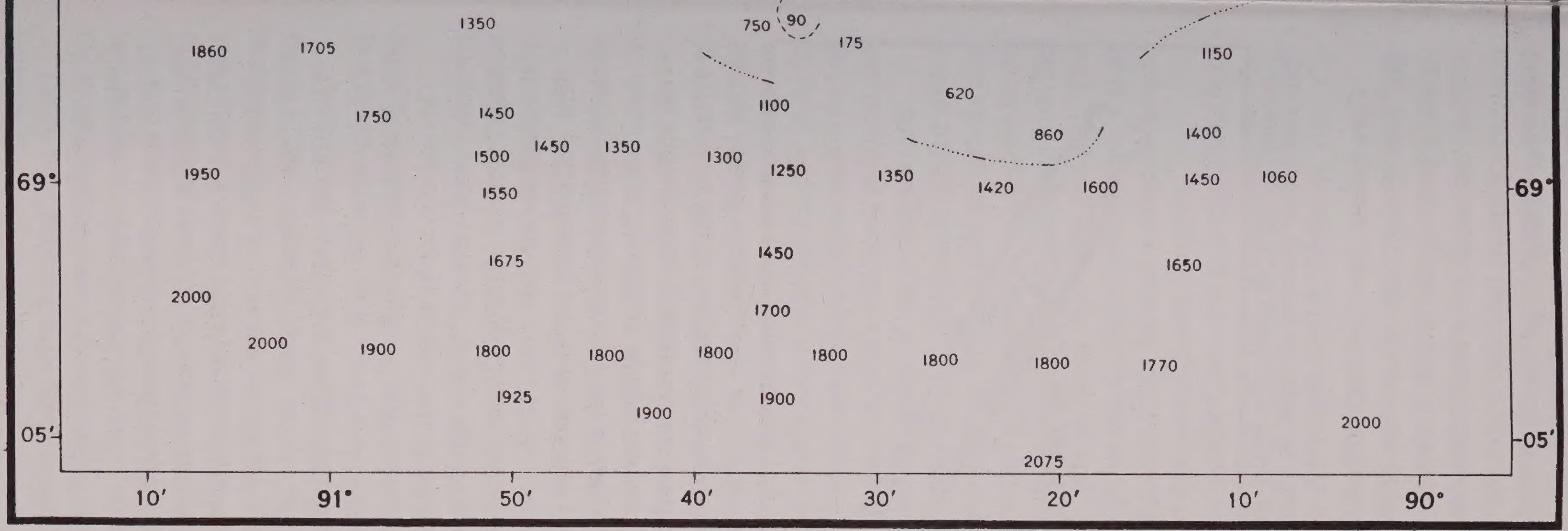
SPOT OF THE MONTH CLUB WINNERS FOR JANUARY

WIN AN EXTRA MONTH'S SUBSCRIPTION

W8UVZ
HS0ZAR - 7.005 - 1217Z - 16 JAN
K4KUZ
A92BE - 3.799 - 0132Z - 1 JAN
W0ZV
5B4ADA - 1.826 - 0332Z - 6 JAN

SEND YOUR POWER SPOTS TO:

LOW BAND MONITOR
P.O. Box 1047
Elizabeth, CO 80107
(303) 646-4630



Peter I Guidelines

LISTENING FOR FOUR DISCRETE REGIONS

- Europe
- Middle East & Africa
- North, Central, and South America
- Asia & Pacific

UNITED STATES DISTRICT SEQUENCE
1-2-3-4-8-9-0-5-7-6

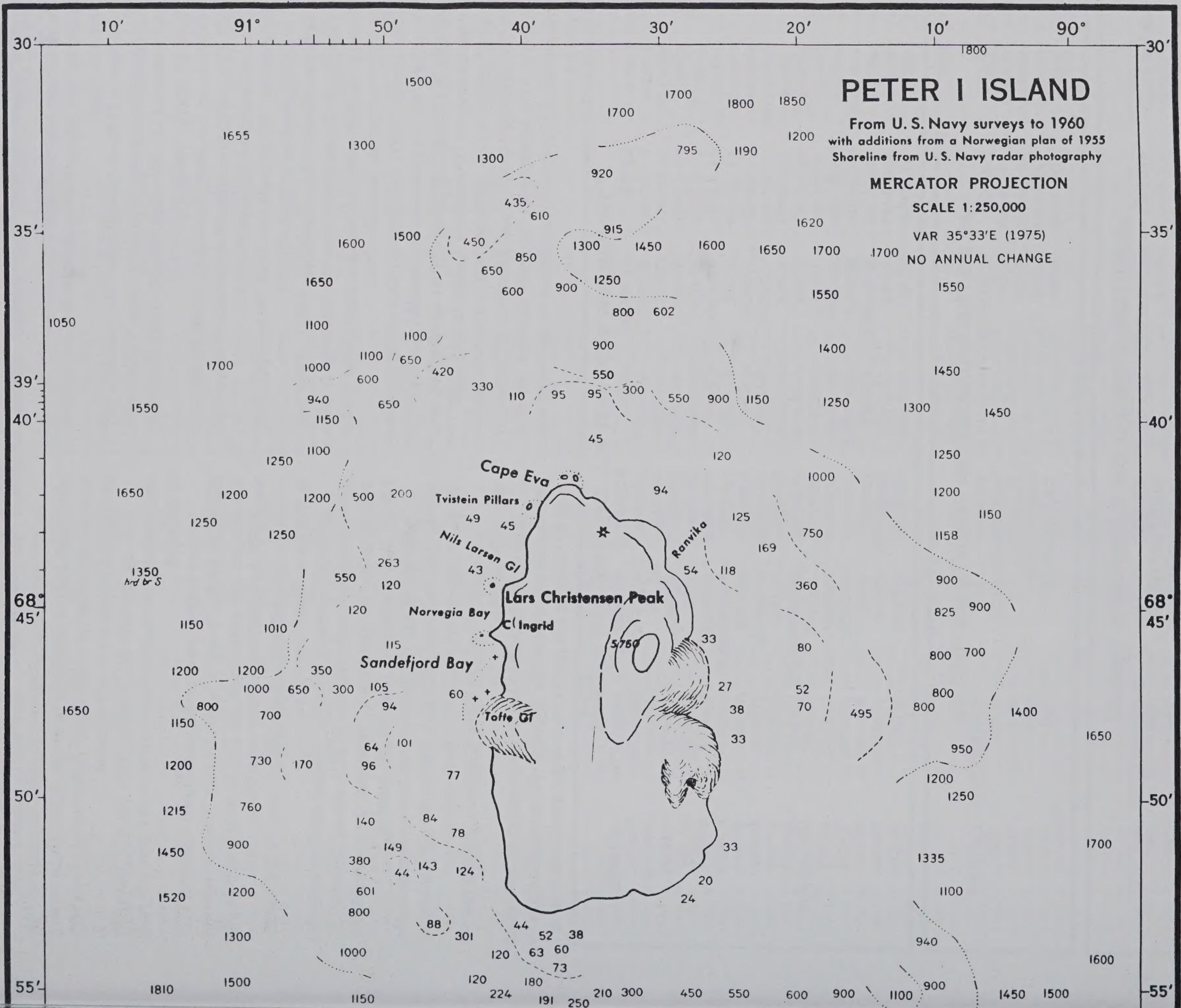
LOW BAND CW FREQUENCIES (USA)
1.826
3.522
7.022
Listening up max 10 khz.

LOW BAND SSB FREQUENCIES (USA)
1.845
3.785
7.065
Listening up max 25 khz.

SUNRISE/SUNSET

DATE	SRISE	SSET
FEB 1	0829	0402
FEB 2	0835	0355
FEB 3	0842	0348
FEB 4	0849	0341
FEB 5	0854	0334
FEB 6	0901	0327
FEB 7	0907	0320
FEB 8	0914	0313
FEB 9	0922	0306
FEB 10	0929	0259
FEB 11	0937	0253
FEB 12	0947	0246
FEB 13	0954	0239

Per ON6TT
Feb 1, 1994



PETER I ISLAND

From U. S. Navy surveys to 1960
with additions from a Norwegian plan of 1955
Shoreline from U. S. Navy radar photography

MERCATOR PROJECTION

SCALE 1:250,000

VAR 35°33′E (1975)
NO ANNUAL CHANGE

More Stations Qualify For Awards

VK4MZ, K9FD, NI6T, and N2KK Lead January Achievers

The subscribers that really operate the low bands are starting to step forward with achievers being added to all of our low band categories this month.

• 40 Meter Jock From Down Under - We received a very impressive computerized entry from Kerry Viney, VK4MZ, who captured certificate #2 for 40 meters. The 166 contacts were made on SSB, which is truly outstanding

VK4MZ is not one dimensional, as he reports 82, 80 meter countries to date, which is amazing when you factor in the seasonal variations the Australian DXer must overcome.

Kerry and Al, W8AH could both work 200 countries on 40 meters before our deadline of April 15, 1994.

• 80 Meter Sharks - Merv Schweigert, K9FD, of Red Bud, Illinois became our #2 certificate winner by submitting his list in early January. He didn't even begin his quest until October 5th, but worked A71CW (#106) on December 30th.

Gary Shapiro, NI6T, well known editor of the *Northern California DX Club Newsletter* sent in a beautiful submission for certificate #3. His VP8BZL 80 meter contact with the Falklands, pushed the envelope to 119 countries through January 22nd.

David Schoen, N2KK, submitted next and received certificate #4. "Mr. 80 Meter Longpath" had a couple of off periods this season due to work requirements, but easily made the 100 level with a minimum of 30 percent of the countries worked being long path - amazing.

• 160 Meters Is Easy - This award seems to be getting popular with sixteen stations submitting their data so far. It is interesting to see which continent is worked last from the various people who have applied for this not-so-trivial award.

Asia was initially the Achilles Heel, but it is becoming obvious that South America is not trivial to work from many parts of the world.

We have had four people so far get confused with either TI or HK0 (San Andres) being in South America. This oversight has not changed any pertinent results yet, as most everyone has worked 9Y4H or P40W to replace the offending QSO.

Future 160 qualifiers just watch those Zone 7 and 8 stations as they are in North America.

The most interesting 160 meter Worked All Continents thus far was received from Bill Tippett, W0ZV, who on December 27, 1993 worked all six continents in 3 hours and 31 minutes (0332Z-0703Z). Any challengers? This will take some skill!

• Housekeeping - The certificate numbers are determined by mail arrival dates. You certificate is dated on the day you achieve the required number of countries or last continent.

If you would like an endorsement on your certificate just ask and it will be added.

Your data will also be added to our propagation study along with our accumulation of DX spots and will be returned if you so request. Hope you can qualify for all three awards this season!

160 METER WORKED ALL CONTINENTS 1993-94

NO.	CALL	DATE	AFRICA	ASIA	EUROPE	N. AMER.	OCEANIA	S. AMER.
1	KY0A	11-17-93	6W6JX	JA1CGM	JW5NM	VE3BW	VK6ACY	P40W
2	W8UVZ	11-20-93	ZD8Z	JA1CGM	UB5ZAL	KL7Y	VK4YB	PY0FF
3	K3ND	11-27-93	EA9EO	4X/S59PR	ZB2X	VP5RX	KH6CC	P40W
4	AA6TT	11-27-93	EA8BR	JH1RES	TM7C	VP5L	3D2OH	9Y4H
5	W8AH	11-30-93	EA9EO	4X4NJ	YO3APJ	FM5BH	KH6XT	9Y4H
6	W0CD	11-30-93	ZD8Z	JF1NZW	G3SZA	FJ/F6HWU	3D2AW	P40W
7	K0CS	12-03-93	6W6JX	4X4NJ	PA0HIP	V31DX	KH6CC	9Y4H
8	GW3YDX	11-27-93	VQ9QM	RA9FBT	GU2FRO	WA3EUL	ZL2JR	P40W
9	AB0X	12-23-93	ZD8Z	JA1CGM	DK6WL	K5NW	KH6AT	9Y4H
10	W8JGU	12-15-93	ZD8VJ	JA3ONB	4K2MAL	WA4DRU/VP5	VK6ACY	9Y4H
11	K9FD	12-26-93	9G1XA	JA3ONB	UB5ZAL	HH2PK	VK5BC	WS4E/YV5
12	N5WA	12-27-93	EA8PP	JA6HUG	G3PQA	V47KP	KH6CC	9Y4H
13	WB9GYU	01-06-94	ZS6EZ	JA1CGM	JW5NM	HR2IQC	VK6HD	9Y4H
14	w0ZV	12-27-93	5N0MVE	4X4NJ	Z30M	TI1C	KH6CC	9Y4H
15	K4ODL	11-18-93	ZD8Z	JA1HQT	GI0KOW	KL7Y	VK6ACY	P40W
16	NI6T	12-20-93	ZD8Z	JA7OEM	G3RBP	VY1JA	3D2OH	P40W

80 METER WORKED 100 COUNTRIES 1993-94

NO.	CALL	DATE	COUNTRY	STATE	SUBMITTED	LATEST
1	W8AH	11-26-93	USA	WEST VIRGINIA	108	108
2	K9FD	12-30-93	USA	ILLINOIS	106	106
3	NI6T	12-20-93	USA	CALIFORNIA	119	119
4	N2KK	12-05-93	USA	CALIFORNIA	106	106

40 METER WORKED 150 COUNTRIES 1993-94

NO.	CALL	DATE	COUNTRY	STATE	SUBMITTED	LATEST
1	W8AH	11-26-93	USA	WEST VIRGINIA	157	157
2	VK4MZ	01-13-94	AUSTRALIA	QUEENSLAND	166	166

LOW BAND MONITOR POWER SPOTS - JANUARY 1994

TNX: N8HTT - W8TN - W8AH - AB0X - W0ZV - K9FD - K4KUZ - N5WA - SM4CAN- WA0PUJ - WA0GFS

80 METERS

3792.5	HB9VW	14-Jan-1994	2357Z
3794.2	LX1UN	14-Jan-1994	2346Z
3799.0	DJ3CI	14-Jan-1994	2302Z
3799.7	KH6XT	14-Jan-1994	1131Z
3799.7	JA6XT	14-Jan-1994	1128Z
3795.5	J37ZY	14-Jan-1994	1035Z
3789.8	GD4PTV	14-Jan-1994	0803Z
3795.3	EA9IE	14-Jan-1994	0639Z
3504.8	VP5/K9BG	14-Jan-1994	0558Z
3799.5	YU1FJK	14-Jan-1994	0538Z
3795.1	PT7WX	14-Jan-1994	0536Z
3789.1	8R1AK	14-Jan-1994	0534Z
3512.0	UR7VA	14-Jan-1994	0525Z
3507.4	OE2BZL	14-Jan-1994	0509Z
3786.5	HA3HV	14-Jan-1994	0448Z
3506.3	UT5UT	14-Jan-1994	0438Z
3800.0	UK8ZAA	14-Jan-1994	0339Z
3505.6	YZ1AA	14-Jan-1994	0338Z
3794.7	SV1EX	14-Jan-1994	0327Z
3506.7	PZ1DV	14-Jan-1994	0302Z
3505.4	OM3TDO	14-Jan-1994	0152Z
3506.1	3B8CF	14-Jan-1994	0133Z
3790.2	KJ5NM/TG	14-Jan-1994	0059Z
3794.4	HB9LAK	14-Jan-1994	0045Z
3798.6	EA8AFJ	14-Jan-1994	0044Z
3513.6	J79JC	14-Jan-1994	0021Z
3790.6	PY3WW	13-Jan-1994	2351Z
3506.2	OE2BZL	13-Jan-1994	2341Z
3504.6	OM3TDO	13-Jan-1994	2341Z
3795.0	EA8AFJ	13-Jan-1994	2311Z
3507.0	S52OT	13-Jan-1994	2257Z
3795.1	CT1ESO	13-Jan-1994	2300Z
3799.0	OE6MBG	13-Jan-1994	2254Z
3794.0	EI8FQ	13-Jan-1994	2247Z
3789.0	9M8DB	13-Jan-1994	2233Z
3789.0	VS6WV	13-Jan-1994	2223Z
3786.0	KP2J	13-Jan-1994	2221Z
3789.0	9V1XQ	13-Jan-1994	2213Z
3504.3	GW3YDX	13-Jan-1994	2152Z
3800.0	ZD8Z	13-Jan-1994	2147Z
3797.0	G3WMX	13-Jan-1994	2028Z
3794.9	J37ZY	13-Jan-1994	1100Z
3792.0	V73C	13-Jan-1994	1054Z
3799.0	KP2AD	13-Jan-1994	1012Z
3509.9	CO1RH	13-Jan-1994	0817Z
3502.0	LU2BRG	13-Jan-1994	0804Z
3508.0	G3BPM	13-Jan-1994	0809Z
3507.0	G0IVZ	13-Jan-1994	0755Z
3504.2	CT3FT	13-Jan-1994	0751Z
3799.8	OH8SR	13-Jan-1994	0709Z
3799.8	OK2PDE	13-Jan-1994	0709Z
3799.8	YL2JN	13-Jan-1994	0709Z
3799.8	PA0LEG	13-Jan-1994	0708Z
3799.8	HB9ADD	13-Jan-1994	0708Z
3799.8	OK2FD	13-Jan-1994	0708Z
3500.8	G4BUE	13-Jan-1994	0710Z
3507.4	YT7A	13-Jan-1994	0432Z
3505.1	LW4DYI	13-Jan-1994	0429Z
3500.8	LU2BRG	13-Jan-1994	0428Z
3508.7	LU8DZJ	13-Jan-1994	0418Z
3513.0	KP4TK	13-Jan-1994	0346Z
3507.2	ZS1JX	13-Jan-1994	0329Z
3794.6	EA9IE	13-Jan-1994	0318Z
3799.9	4Z4UR	13-Jan-1994	0250Z
3791.8	EA9TL	13-Jan-1994	0230Z
3501.0	LU2BRG	13-Jan-1994	0219Z
3799.9	OE1ETA	13-Jan-1994	0201Z
3505.6	HK7/SM5HV	13-Jan-1994	0155Z
3506.1	3B8CF	13-Jan-1994	0144Z
3794.0	CO2PX	13-Jan-1994	0130Z
3789.9	YS1JRG	13-Jan-1994	0112Z
3502.8	OK1DQT	13-Jan-1994	0104Z
3504.2	OE2BZL	13-Jan-1994	0050Z
3800.1	HR2BDC	13-Jan-1994	0046Z
3799.0	V2/VE3BW	12-Jan-1994	2359Z
3797.1	OE1ETA	13-Jan-1994	0005Z
3503.0	SM7CBS	12-Jan-1994	2353Z
3506.5	6W6JX	12-Jan-1994	2352Z

80 METERS

3509.0	EA8AB	12-Jan-1994	2352Z
3506.6	6W6JX	12-Jan-1994	2250Z
3505.7	9A2AW	12-Jan-1994	2230Z
3797.0	GD4PTV	12-Jan-1994	2220Z
3504.7	S59AA	12-Jan-1994	2212Z
3505.4	9A2AW	12-Jan-1994	2208Z
3507.4	YL2PQ	12-Jan-1994	2204Z
3789.1	C31SD	12-Jan-1994	2207Z
3504.4	VK6HD	12-Jan-1994	2141Z
3504.0	ON4ACG	12-Jan-1994	2131Z
3504.9	HS0C	12-Jan-1994	2130Z
3507.7	YL2PQ	12-Jan-1994	2120Z
3798.0	VK6LK	12-Jan-1994	2102Z
3501.4	HA8RM	12-Jan-1994	2034Z
3794.8	S59ZA	12-Jan-1994	2030Z
3789.9	GI4VKS	12-Jan-1994	2027Z
3797.1	YB3OSE	12-Jan-1994	1559Z
3505.4	JH0BBE	12-Jan-1994	1231Z
3799.5	VK7GT	12-Jan-1994	1124Z
3518.5	CM2PL	12-Jan-1994	1058Z
3795.0	J69MV	12-Jan-1994	1018Z
3505.8	CT3FT	12-Jan-1994	0734Z
3800.0	EA9IE	12-Jan-1994	0731Z
3800.0	FT5JC	12-Jan-1994	0711Z
3789.1	ZK1AT	12-Jan-1994	0656Z
3786.5	G4AMN	12-Jan-1994	0648Z
3793.0	5T5JC	12-Jan-1994	0636Z
3788.0	DL7MAE	12-Jan-1994	0627Z
3799.8	IT9PKO	12-Jan-1994	0505Z
3505.8	S59A	12-Jan-1994	0453Z
3502.0	SP3FHV	12-Jan-1994	0444Z
3795.5	HR2BDC	12-Jan-1994	0438Z
3786.0	9A2KL	12-Jan-1994	0432Z
3800.0	YU1FJK	12-Jan-1994	0424Z
3792.0	ZS4WA	12-Jan-1994	0410Z
3507.5	3DA0BK	12-Jan-1994	0401Z
3796.0	JY5GJ	12-Jan-1994	0348Z
3798.5	YU1FJK	12-Jan-1994	0401Z
3792.0	ZS4WA	12-Jan-1994	0357Z
3503.4	UU1JD	12-Jan-1994	0344Z
3505.0	LY2ZZ	12-Jan-1994	0340Z
3789.6	PT7WX	12-Jan-1994	0333Z
3501.6	SP3FHV	12-Jan-1994	0322Z
3796.0	FY5GJ	12-Jan-1994	0309Z
3510.0	3DA0BK	12-Jan-1994	0303Z
3513.0	RV3DEX	12-Jan-1994	0246Z
3514.1	US0ZZ	12-Jan-1994	0243Z
3507.0	HA4FV	12-Jan-1994	0233Z
3800.0	T94ON	12-Jan-1994	0220Z
3501.7	SP3FHV	12-Jan-1994	0224Z
3506.0	3B8CF	12-Jan-1994	0203Z
3507.2	UY5MV	12-Jan-1994	0124Z
3501.7	SP3FHV	12-Jan-1994	0058Z
3504.0	9A3KR	12-Jan-1994	0104Z
3513.0	US0ZZ	12-Jan-1994	0103Z
3506.2	OE6BMG	12-Jan-1994	0059Z
3793.0	EA8BYR	12-Jan-1994	0041Z
3798.4	GI4JTS	12-Jan-1994	0038Z
3509.4	YL2PQ	12-Jan-1994	0032Z
3798.4	PA3EVA	12-Jan-1994	0025Z
3505.0	9A3KR	12-Jan-1994	0019Z
3800.0	HK0OEP	12-Jan-1994	0018Z
3520.0	TK5XN	12-Jan-1994	0013Z
3502.1	SP3FHV	12-Jan-1994	0013Z
3506.1	HA9RT	12-Jan-1994	0013Z
3508.5	UC2LBF	12-Jan-1994	0012Z
3800.0	HK0OEP	12-Jan-1994	0018Z
3789.0	OZ8ABE	12-Jan-1994	0011Z
3503.8	OM3TDO	11-Jan-1994	2359Z
3508.9	YL2AG	11-Jan-1994	2341Z
3507.0	OE2BLZ	11-Jan-1994	2230Z
3800.0	5T5JC	11-Jan-1994	2224Z
3795.8	S57O	11-Jan-1994	2207Z
3506.0	S59A	11-Jan-1994	2158Z
3791.5	LY2ZZ	11-Jan-1994	2149Z
3789.0	TA1AL	11-Jan-1994	2147Z
3798.0	VK6LK	11-Jan-1994	2122Z
3505.7	IK1GPK	11-Jan-1994	2122Z

80 METERS

3504.8	S52OT	11-Jan-1994	2121Z
3792.3	S59A	11-Jan-1994	2017Z
3797.1	YB3OSE	11-Jan-1994	1552Z
3799.0	TI5RLI	11-Jan-1994	1201Z
3791.6	CM6RJ	11-Jan-1994	1146Z
3799.0	VK7GT	11-Jan-1994	1122Z
3796.0	V73C	11-Jan-1994	1116Z
3793.2	JA1JRK	11-Jan-1994	1107Z
3504.0	AH6JF	11-Jan-1994	0926Z
3507.0	LU8DZJ	11-Jan-1994	0915Z
3788.0	ON4ACG	11-Jan-1994	0747Z
3800.0	IK7MCJ	11-Jan-1994	0636Z
3795.1	8P6JB	11-Jan-1994	0636Z
3792.1	T32BB	11-Jan-1994	0636Z
3512.7	OE6BMG	11-Jan-1994	0611Z
3519.0	HA3IC	11-Jan-1994	0523Z
3504.8	OH1XX	11-Jan-1994	0515Z
3505.4	HB9NL	11-Jan-1994	0507Z
3512.4	HA9RT	11-Jan-1994	0502Z
3508.0	HA0NAR	11-Jan-1994	0455Z
3787.3	DL7MAE	11-Jan-1994	0447Z
3506.8	LU8DZJ	11-Jan-1994	0448Z
3800.0	SP3PMA	11-Jan-1994	0443Z
3795.0	OK1AFB	11-Jan-1994	0446Z
3505.7	SP3HLM	11-Jan-1994	0409Z
3500.5	DL3JZN	11-Jan-1994	0410Z
3501.2	US5QNA	11-Jan-1994	0409Z
3792.5	4Z4UR	11-Jan-1994	0412Z
3528.0	OK1FAI	11-Jan-1994	0408Z
3510.7	TF3DX	11-Jan-1994	0348Z
3506.9	3DA0BK	11-Jan-1994	0324Z
3798.0	GI0KOW	11-Jan-1994	0315Z
3790.1	ON7AQ	11-Jan-1994	0318Z
3790.1	9A3KR	11-Jan-1994	0317Z
3504.7	GM3POI	11-Jan-1994	0311Z
3515.0	UC2LFT	11-Jan-1994	0306Z
3912.5	9Y4NG	11-Jan-1994	0307Z
3800.0	SP3PMA	11-Jan-1994	0158Z
3794.0	LA7SL	11-Jan-1994	0106Z
3506.0	LU1WFA	11-Jan-1994	0034Z
3505.2	GI4PCY	11-Jan-1994	0038Z
3506.6	SP3HLM	11-Jan-1994	0034Z
3505.0	RX9FM	10-Jan-1994	2358Z
3506.0	LU2BRG	10-Jan-1994	2354Z
3797.0	G4IUF	10-Jan-1994	2312Z
3797.0	EI8H	10-Jan-1994	2310Z
3505.2	G3TBK	10-Jan-1994	2243Z
3797.0	EI4EE	10-Jan-1994	2242Z
3792.4	ON7QD	10-Jan-1994	2106Z
3770.1	JD1BIE	10-Jan-1994	2036Z
3792.9	TI5RLI	10-Jan-1994	1231Z
3798.2	JA7SGV	10-Jan-1994	1202Z
3504.0	JA0CWZ	10-Jan-1994	1158Z
3799.0	JF1IST	10-Jan-1994	1148Z
3793.0	JA1JRK	10-Jan-1994	1108Z
3504.0	RA1ZA	10-Jan-1994	1020Z
3505.7	ZL3ABV	10-Jan-1994	0857Z
3503.4	CT3FT	10-Jan-1994	0731Z
3512.2	KP4YD	10-Jan-1994	0718Z
3799.4	OK2FD	10-Jan-1994	0643Z
3510.5	HB9NL	10-Jan-1994	0616Z
3792.5	OY9JD	10-Jan-1994	0514Z
3506.7	UT5UT	10-Jan-1994	0446Z
3789.1	SM7TUG	10-Jan-1994	0431Z
3799.2	Z31PK	10-Jan-1994	0427Z
3509.1	UR7VA	10-Jan-1994	0335Z
3514.5	UC2LY	10-Jan-1994	0321Z
3506.8	3DA0BK	10-Jan-1994	0310Z
3791.0	UK8ZAA	10-Jan-1994	0246Z
3791.0	SM7TUG	10-Jan-1994	0234Z
3505.8	PY2NQ	10-Jan-1994	0243Z
3796.8	AL7MX	10-Jan-1994	0221Z
3507.0	UC3LFT	10-Jan-1994	0216Z
3791.0	LA7SL	10-Jan-1994	0203Z
3795.0	LU1FA	10-Jan-1994	0159Z
3506.0	3B8CF	10-Jan-1994	0137Z
3795.0	TI5RLI	10-Jan-1994	0132Z
3794.3	S57O	10-Jan-1994	0014Z

LOW BAND MONITOR POWER SPOTS - JANUARY 1994

TNX: N8HTT - W8TN - W8AH - AB0X - W0ZV - K9FD - K4KUZ - N5WA - SM4CAN- WA0PUJ - WA0GFS

160 METERS

1832.6	YL2GD	14-Jan-1994	0629Z
1832.8	OM3TWJ	14-Jan-1994	0611Z
1826.8	OE1SF	14-Jan-1994	0608Z
1827.9	9A1BHI	14-Jan-1994	0610Z
1837.0	DJ8QP	14-Jan-1994	0606Z
1831.7	SM6CPY	14-Jan-1994	0600Z
1828.8	OE5KE	14-Jan-1994	0558Z
1834.3	UC2LB	14-Jan-1994	0553Z
1840.0	SM4CAN	14-Jan-1994	0551Z
1831.3	OE5NNN	14-Jan-1994	0539Z
1823.2	9A1BHI	14-Jan-1994	0541Z
1833.0	SM4HCM	14-Jan-1994	0537Z
1846.9	HR2BDC	14-Jan-1994	0529Z
1847.0	YS1JRG	14-Jan-1994	0529Z
1827.0	SM4CAN	14-Jan-1994	0523Z
1830.6	OM3TQX	14-Jan-1994	0523Z
1831.8	EV3A	14-Jan-1994	0523Z
1829.5	EA8PP	14-Jan-1994	0524Z
1832.7	UA3PPE	14-Jan-1994	0517Z
1822.9	YL2KO	14-Jan-1994	0515Z
1840.0	HB9FAN	14-Jan-1994	0514Z
1830.9	UA6AQJ	14-Jan-1994	0512Z
1838.1	US0LX	14-Jan-1994	0505Z
1837.2	ER2GR	14-Jan-1994	0458Z
1833.1	OH5PT	14-Jan-1994	0455Z
1829.2	OE5NNN	14-Jan-1994	0501Z
1833.6	IV3PRK	14-Jan-1994	0450Z
1830.0	OK1DOT	14-Jan-1994	0452Z
1841.2	HB9FAN	14-Jan-1994	0446Z
1844.4	I3MAU	14-Jan-1994	0442Z
1836.5	SM6MCW	14-Jan-1994	0445Z
1831.3	US4ID	14-Jan-1994	0441Z
1826.1	S59A	14-Jan-1994	0436Z
1834.2	RA3DOX	14-Jan-1994	0426Z
1823.5	OK1DXS	14-Jan-1994	0423Z
1830.6	OM3TWJ	14-Jan-1994	0420Z
1831.9	4X4NJ	14-Jan-1994	0417Z
1834.2	LA5SAA	14-Jan-1994	0413Z
1837.7	P4/W1EKT	14-Jan-1994	0400Z
1834.7	G0IVZ	14-Jan-1994	0405Z
1829.1	UV6APQ	14-Jan-1994	0352Z
1832.9	RZ6HW	14-Jan-1994	0356Z
1830.3	OM3CPL	14-Jan-1994	0354Z
1833.8	LU7XP	14-Jan-1994	0331Z
1838.2	4K1F	14-Jan-1994	0329Z
1831.7	ZS5LB	14-Jan-1994	0327Z
1831.3	UA6AQJ	14-Jan-1994	0319Z
1829.1	HZ1AB	14-Jan-1994	0317Z
1831.5	VP5/K9BG	14-Jan-1994	0319Z
1833.7	PY0FF	14-Jan-1994	0310Z
1843.0	VP9HE	14-Jan-1994	0241Z
1831.5	VP5/K9BG	14-Jan-1994	0235Z
1834.8	4K1F	14-Jan-1994	0218Z
1828.4	P4/W1EKT	14-Jan-1994	0155Z
1828.5	GW3YDX	14-Jan-1994	0055Z
1835.8	UT0CT	13-Jan-1994	2350Z
1844.7	LA7JO	13-Jan-1994	2332Z
1844.7	G3FPQ	13-Jan-1994	2331Z
1843.1	VP9HE	13-Jan-1994	2326Z
1833.9	SM6CPY	13-Jan-1994	2310Z
1834.9	4X4DK	13-Jan-1994	2302Z
1832.8	G3WZT	13-Jan-1994	2255Z
1831.8	YL2PQ	13-Jan-1994	2251Z
1832.0	ZD8Z	13-Jan-1994	2157Z
1834.0	GD4BEG	13-Jan-1994	0741Z
1848.0	PZ1EL	13-Jan-1994	0736Z
1828.0	DL9YX	13-Jan-1994	0710Z
1832.4	DJ2YA	13-Jan-1994	0706Z
1834.3	DJ9HX	13-Jan-1994	0702Z
1834.1	GD4BEG	13-Jan-1994	0652Z
1831.8	ON4ACG	13-Jan-1994	0651Z
1831.0	OZ7YY	13-Jan-1994	0649Z
1828.8	DL1DA	13-Jan-1994	0645Z
1841.5	YS1JRG	13-Jan-1994	0642Z
1829.5	ZB2EO	13-Jan-1994	0642Z
1844.0	CN8GI	13-Jan-1994	0636Z
1837.2	4K1F	13-Jan-1994	0554Z
1847.0	I3MAU	13-Jan-1994	0550Z

160 METERS

1840.0	SV8ZS	13-Jan-1994	0539Z
1834.0	IV3PRK	13-Jan-1994	0526Z
1840.0	UY7VV	13-Jan-1994	0513Z
1825.0	G3ZFC	13-Jan-1994	0510Z
1835.2	DL9GOA	13-Jan-1994	0501Z
1832.0	EA8PP	13-Jan-1994	0458Z
1834.0	G8CK	13-Jan-1994	0455Z
1840.0	HR2BDC	13-Jan-1994	0446Z
1829.0	4K1F	13-Jan-1994	0422Z
1832.2	PA0HIP	13-Jan-1994	0412Z
1830.0	G3ZFC	13-Jan-1994	0320Z
1836.0	4K1F	13-Jan-1994	0317Z
1832.0	OM3TMW	13-Jan-1994	0244Z
1841.0	VP9HE	13-Jan-1994	0147Z
1835.0	V2/VE3BW	12-Jan-1994	2321Z
1846.3	EI8H	12-Jan-1994	2311Z
1823.8	S59AA	12-Jan-1994	2254Z
1841.5	EI8H	12-Jan-1994	2224Z
1841.4	G4AUX	12-Jan-1994	2227Z
1828.0	DF2IC	12-Jan-1994	2157Z
1833.2	LA5SAA	12-Jan-1994	2153Z
1833.1	VK7TS	12-Jan-1994	1124Z
1837.9	FK8CP	12-Jan-1994	0935Z
1833.2	PA0LEG	12-Jan-1994	0722Z
1835.7	FM5BH	12-Jan-1994	0717Z
1832.5	F6DSV	12-Jan-1994	0659Z
1833.3	DK7SU	12-Jan-1994	0645Z
1829.3	DL1DA	12-Jan-1994	0643Z
1830.9	S51WA	12-Jan-1994	0639Z
1829.8	HB9NL	12-Jan-1994	0632Z
1828.0	OE5KE	12-Jan-1994	0627Z
1828.4	DK7SU	12-Jan-1994	0622Z
1833.4	FM5BH	12-Jan-1994	0619Z
1831.1	IV3PA	12-Jan-1994	0540Z
1831.6	OM3TZQ	12-Jan-1994	0539Z
1834.0	IVEPRK	12-Jan-1994	0522Z
1825.9	S51WA	12-Jan-1994	0513Z
1833.5	OK1DOT	12-Jan-1994	0512Z
1830.9	KH6CC	12-Jan-1994	0446Z
1832.2	4X4NJ	12-Jan-1994	0445Z
1830.7	VP5/K9BG	12-Jan-1994	0449Z
1828.9	SM4CAN	12-Jan-1994	0451Z
1827.9	YU7AU	12-Jan-1994	0439Z
1840.5	HB9FAN	12-Jan-1994	0439Z
1833.7	VP2VA	12-Jan-1994	0434Z
1845.0	HR3BDC	12-Jan-1994	0421Z
1837.8	OZ8ABE	12-Jan-1994	0337Z
1824.5	G3ZFC	12-Jan-1994	0324Z
1834.9	UT0CT	12-Jan-1994	0315Z
1848.0	YS1JRG	12-Jan-1994	0308Z
1833.4	GI0KOW	12-Jan-1994	0302Z
1835.1	YL2PQ	12-Jan-1994	0302Z
1829.8	OM3TZQ	12-Jan-1994	0219Z
1831.2	G3PQA	12-Jan-1994	0210Z
1833.3	GI0KOW	12-Jan-1994	0154Z
1832.3	VP5/K9BG	12-Jan-1994	0125Z
1831.0	ZB2EO	11-Jan-1994	2230Z
1831.0	CM3RG	11-Jan-1994	1155Z
1839.3	SV8ZS	11-Jan-1994	0458Z
1826.0	G3ZFC	11-Jan-1994	0452Z
1827.9	OM3TMW	11-Jan-1994	0448Z
1837.5	UW6HIY	11-Jan-1994	0419Z
1832.0	RZ6HW	11-Jan-1994	0410Z
1834.6	RA1ZA	11-Jan-1994	0407Z
1827.0	EI5HJ	11-Jan-1994	0137Z
1832.9	GM3POI	11-Jan-1994	0112Z
1829.1	V2/VE3BW	11-Jan-1994	0058Z
1831.0	ON4ACG	11-Jan-1994	0107Z
1846.0	J37ZY	11-Jan-1994	0026Z
1830.0	ON4ACG	10-Jan-1994	2351Z
1830.6	TF3GB	10-Jan-1994	2334Z
1828.9	DL4BZU	10-Jan-1994	2322Z
1830.5	I2AOX	10-Jan-1994	2323Z
1831.9	IK1JLL	10-Jan-1994	2312Z
1840.0	LA7JO	10-Jan-1994	2306Z
1840.0	ON4UN	10-Jan-1994	2305Z
1831.9	DL6ATM	10-Jan-1994	2249Z
1826.9	EI5HJ	10-Jan-1994	2253Z

160 METERS

1823.9	GW3YDX	10-Jan-1994	2248Z
1840.0	LA7JO	10-Jan-1994	2239Z
1839.0	OY9JD	10-Jan-1994	0608Z
1830.6	ON4ACG	10-Jan-1994	0549Z
1834.4	OK1KQJ	10-Jan-1994	0532Z
1828.0	YU7AU	10-Jan-1994	0527Z
1837.0	TF2AA	10-Jan-1994	0500Z
1834.1	DK7SU	10-Jan-1994	0456Z
1834.8	UR5IUQ	10-Jan-1994	0340Z
1835.5	OK1DOT	10-Jan-1994	0319Z
1832.6	9K2ZR	10-Jan-1994	0316Z
1832.6	S54A	10-Jan-1994	0314Z
1838.9	TI5KD	10-Jan-1994	0246Z
1830.5	UR7VA	10-Jan-1994	0245Z
1833.0	G3RBP	10-Jan-1994	0233Z
1831.8	RZ6HW	10-Jan-1994	0223Z
1833.4	OX3BV	10-Jan-1994	0216Z
1831.6	GM3ITN	10-Jan-1994	0215Z
1831.7	9K2ZZ	10-Jan-1994	0143Z
1835.3	UC2SD	10-Jan-1994	0130Z
1833.2	OX3BV	10-Jan-1994	0114Z
1826.8	EI5HJ	10-Jan-1994	0103Z
1847.4	VP9HE	10-Jan-1994	0105Z
1833.1	EA3KU	9-Jan-1994	2245Z
1832.0	DK8ZB	9-Jan-1994	2156Z
1832.0	IV3PRK	9-Jan-1994	2141Z
1828.0	XE2XA	9-Jan-1994	1228Z
1828.1	KH6AT	9-Jan-1994	0510Z
1838.1	TI4CF	9-Jan-1994	0342Z
1829.3	TG9AC	9-Jan-1994	0009Z
1827.0	VQ9QM	8-Jan-1994	2300Z
1842.0	TF2AA	8-Jan-1994	0614Z
1831.0	A35CW	7-Jan-1994	1227Z
1840.0	YS1RRD	7-Jan-1994	0719Z
1832.1	GD4BEG	7-Jan-1994	0716Z
1828.0	YU7AU	7-Jan-1994	0604Z
1829.2	SM5EDX	7-Jan-1994	0602Z
1839.4	SV8ZS	7-Jan-1994	0601Z
1835.4	G3PQA	7-Jan-1994	0403Z
1823.3	UA6AQJ	7-Jan-1994	0350Z
1828.9	SM5EDX	7-Jan-1994	0335Z
1826.0	5B4ADA	6-Jan-1994	0332Z
1825.5	SM7BIC	7-Jan-1994	0233Z
1840.0	OZ1DPR	7-Jan-1994	0228Z
1831.5	YV1NX	7-Jan-1994	0159Z
1833.0	HZ1AB	7-Jan-1994	0153Z
1835.0	FB5BH	6-Jan-1994	1009Z
1832.0	GD4BEG	6-Jan-1994	0653Z
1830.0	XF4CI	6-Jan-1994	0639Z
1830.1	IV3PRK	6-Jan-1994	0638Z
1833.2	DK7SU	6-Jan-1994	0614Z
1832.3	OM3TQX	6-Jan-1994	0538Z
1832.2	UX4UA	6-Jan-1994	0514Z
1828.6	S59UN	6-Jan-1994	0509Z
1835.6	OK1DOT	6-Jan-1994	0507Z
1832.0	UX0HA	6-Jan-1994	0502Z
1834.2	UW3PZ	6-Jan-1994	0456Z
1829.9	UR4QBL	6-Jan-1994	0451Z
1827.0	HB9NL	6-Jan-1994	0425Z
1832.1	4X4NJ	6-Jan-1994	0425Z
1831.6	SP5INQ	6-Jan-1994	0422Z
1834.1	OM3TQX	6-Jan-1994	0410Z
1833.1	HB9NL	6-Jan-1994	0409Z
1826.1	5B4ADA	6-Jan-1994	0404Z
1828.7	S59UN	6-Jan-1994	0406Z
1830.5	OM3CPC	6-Jan-1994	0359Z
1832.7	OE6IMD	6-Jan-1994	0407Z
1826.0	VP2V1	6-Jan-1994	0349Z
1831.3	9K2LR	6-Jan-1994	0058Z
1828.2	GI3OQR	6-Jan-1994	0026Z
1833.5	A71CW	5-Jan-1994	2335Z
1833.3	PA0XPQ	5-Jan-1994	2339Z
1826.2	GI3OQR	5-Jan-1994	2225Z
1830.3	SP2EWQ	5-Jan-1994	2230Z
1830.0	DK7SU	5-Jan-1994	0703Z
1831.7	S59UN	5-Jan-1994	0502Z
1834.5	UR4UCD	5-Jan-1994	0438Z
1832.8	OM3TZQ	5-Jan-1994	0429Z

LOW BAND MONITOR POWER SPOTS - JANUARY 1994

TNX: N8HTT - W8TN - W8AH - AB0X - W0ZV - K9FD - K4KUZ - N5WA - SM4CAN- WA0PUJ - WA0GFS

40 METERS

7001.0	4K2MAL	26-Jan-1994	1322Z
7003.3	UH8EA	26-Jan-1994	1302Z
7005.1	UW1ZZ	26-Jan-1994	1230Z
7004.5	V73C	26-Jan-1994	1048Z
7008.0	P49I	26-Jan-1994	1018Z
7001.2	TI2KWN	26-Jan-1994	0618Z
7009.5	TU2XZ	26-Jan-1994	0550Z
7011.2	YO6EZ	26-Jan-1994	0421Z
7004.6	HC3AP	26-Jan-1994	0419Z
7009.3	HC1JMN	26-Jan-1994	0356Z
7009.0	ZS6BOF	26-Jan-1994	0339Z
7008.5	3B8CF	26-Jan-1994	0225Z
7000.9	Z31ET	26-Jan-1994	0223Z
7002.4	9K2ZZ	26-Jan-1994	0224Z
7005.0	YV4BOU	26-Jan-1994	0112Z
7006.6	ER1AM	25-Jan-1994	2255Z
7002.3	4K2MAL	25-Jan-1994	1316Z
7004.0	HS0ZAR	25-Jan-1994	1257Z
7009.6	EX0M	25-Jan-1994	1225Z
7007.4	9V1ZE	25-Jan-1994	1223Z
7004.0	HS0ZAR	25-Jan-1994	1217Z
7005.9	EX8F	25-Jan-1994	1214Z
7006.3	HL4CJJ	25-Jan-1994	1206Z
7066.0	KC6VCO	25-Jan-1994	1115Z
7025.0	A22MN	25-Jan-1994	0450Z
7005.2	PZ1DV	25-Jan-1994	0250Z
7012.0	P40/K8GG	25-Jan-1994	0242Z
7006.5	3B8CF	25-Jan-1994	0241Z
7004.0	YO3AC	25-Jan-1994	0223Z
7008.4	ZA/OK2PSZ	25-Jan-1994	0013Z
7005.3	FJ/N0IMH	25-Jan-1994	0016Z
7007.0	JA4ZWZ/JD1	24-Jan-1994	1311Z
7011.0	C6A/W4UXI	24-Jan-1994	1210Z
7004.5	YC8BBT	24-Jan-1994	1148Z
7007.0	4K2PGO	24-Jan-1994	0513Z
7000.5	4K2BY	24-Jan-1994	0425Z
7000.5	4K2MAL	24-Jan-1994	0423Z
7003.2	VP8BZL	24-Jan-1994	0412Z
7010.8	UA1OMK	24-Jan-1994	0409Z
7003.2	VP8BZL	24-Jan-1994	0407Z
7014.0	UX7QX	24-Jan-1994	0403Z
7002.6	TA2BD	24-Jan-1994	0357Z
7009.0	UT0ZD	24-Jan-1994	0316Z
7065.0	JW0C	24-Jan-1994	0305Z
7007.5	9K2ZZ	24-Jan-1994	0240Z
7002.0	SV1AKX	24-Jan-1994	0223Z
7000.5	4K2MAL	24-Jan-1994	0218Z
7007.8	3B8CF	24-Jan-1994	0210Z
7008.0	T91AVW	24-Jan-1994	0123Z
7001.3	T97M	24-Jan-1994	0118Z
7009.0	ER1AM	24-Jan-1994	0057Z
7003.8	PJ5/N4XO	24-Jan-1994	0058Z
7013.0	T91AVW	24-Jan-1994	0056Z
7008.8	ER1AM	24-Jan-1994	0031Z
7008.0	S51OI	24-Jan-1994	0013Z
7015.1	UR6IM	23-Jan-1994	2356Z
7006.7	T94US	23-Jan-1994	2236Z
7011.7	ZS6QU	23-Jan-1994	2229Z
7017.5	TA2XZ	23-Jan-1994	2229Z
7004.0	HZ1AB	23-Jan-1994	1320Z
7001.1	UW1ZZ	23-Jan-1994	1319Z
7003.5	UA1ZCT	23-Jan-1994	1311Z
7003.5	UAA1ZCT	23-Jan-1994	1310Z
7012.1	UK8AA	23-Jan-1994	1304Z
7004.0	UA1ZO	23-Jan-1994	1252Z
7004.7	OH4JK	23-Jan-1994	1248Z
7008.0	VK6XA	23-Jan-1994	1241Z
7008.9	EX0M	23-Jan-1994	1211Z
7002.8	PJ5/N4XO	23-Jan-1994	1144Z
7009.0	TA2DS	23-Jan-1994	0512Z
7062.0	TI2VVR	23-Jan-1994	0450Z
7082.0	ZS3A	23-Jan-1994	0434Z
7007.0	T94IW	23-Jan-1994	0423Z
7009.0	SV2BFM	23-Jan-1994	0406Z
7006.3	UZ9JW	23-Jan-1994	0357Z
7016.0	UT5PF	23-Jan-1994	0327Z
7025.3	FJ/N0IMH	23-Jan-1994	0314Z
7018.0	9K2ZZ	23-Jan-1994	0311Z

40 METERS

7009.0	SV2BFM	23-Jan-1994	0300Z
7063.3	OY1HJ	23-Jan-1994	0137Z
7025.2	OA4CWR	23-Jan-1994	0122Z
7008.0	9V1ZE	22-Jan-1994	2339Z
7002.0	TA2BK	22-Jan-1994	2339Z
7009.9	T94IW	22-Jan-1994	2330Z
7002.1	TA2BD	22-Jan-1994	2304Z
7009.1	9V1YC	22-Jan-1994	1515Z
7004.8	9M8FC	22-Jan-1994	1510Z
7001.3	UR5IBM	22-Jan-1994	1426Z
7017.0	FK8FU	22-Jan-1994	1350Z
7005.0	HS0ZAR	22-Jan-1994	1123Z
7019.0	V73C	22-Jan-1994	1009Z
7004.4	9K2ZZ	22-Jan-1994	0327Z
7007.3	VP8BZL	22-Jan-1994	0302Z
7001.0	4K2MAL	22-Jan-1994	0234Z
7004.9	PZ1DV	22-Jan-1994	0225Z
7006.7	UX2FW	22-Jan-1994	0157Z
7008.5	A22MN	22-Jan-1994	0045Z
7205.0	TG9NR	21-Jan-1994	0641Z
7005.0	TR8XX	21-Jan-1994	0511Z
7022.0	VP8BZL	21-Feb-1994	0410Z
7007.1	3B8CF	21-Jan-1994	0235Z
7011.3	4K2PGO	21-Jan-1994	0209Z
7007.5	TG9AQ	21-Feb-1994	0206Z
7010.2	ZB2FK	20-Jan-1994	2313Z
7007.3	4Z4TA	20-Jan-1994	2306Z
7013.6	7X4AN	20-Jan-1994	2227Z
7000.2	EK7DX	20-Jan-1994	2140Z
7006.3	TA1A	20-Jan-1994	2137Z
7001.8	4X/S59PR	20-Jan-1994	2118Z
7008.0	YO2BBX	20-Jan-1994	0244Z
7003.0	YO3AC	20-Jan-1994	0146Z
7002.5	FG5/F2P1	20-Jan-1994	0141Z
7007.8	CU2QN	19-Jan-1994	2306Z
7089.8	CN8HR	18-Jan-1994	1933Z
7006.2	T94US	18-Jan-1994	1545Z
7012.8	UY5ZM	18-Jan-1994	1534Z
7003.3	S21ZG	18-Jan-1994	1517Z
7007.8	9A1BHI	18-Jan-1994	1513Z
7005.9	PJ9JT	18-Jan-1994	0211Z
7004.0	3B8CF	18-Jan-1994	0224Z
7001.8	ZA/OK2PSZ	17-Jan-1994	2255Z
7003.4	ZA1Z	17-Jan-1994	2243Z
7004.2	ZD8M	17-Jan-1994	2227Z
7001.2	SV2BOH	17-Jan-1994	1530Z
7007.5	Z37DRS	17-Jan-1994	1453Z
7008.3	9V1ZE	17-Jan-1994	1218Z
7006.7	EX0M	17-Jan-1994	1200Z
7009.7	CX5RV	17-Jan-1994	0931Z
7005.0	5R8DG	17-Jan-1994	0335Z
7014.8	UA0KBU	17-Jan-1994	0334Z
7004.5	3B8CF	17-Jan-1994	0210Z
7006.5	JT1AA	17-Jan-1994	0129Z
7004.0	4S7RO	17-Jan-1994	0127Z
7005.6	ZA1J	17-Jan-1994	0057Z
7005.1	SV1AKX	17-Jan-1994	0024Z
7000.9	A71CW	17-Jan-1994	0008Z
7012.0	XT2BW	16-Jan-1994	2247Z
7007.6	VR2GS	16-Jan-1994	2209Z
7005.6	ZS6BOF	16-Jan-1994	2207Z
7010.2	HA6KNG	16-Jan-1994	2140Z
7001.5	LZ2YJ	16-Jan-1994	2138Z
7018.4	ZS6BOF	16-Jan-1994	2115Z
7018.0	9M2ZA	16-Jan-1994	1507Z
7005.5	HS0ZAR	16-Jan-1994	1237Z
7007.0	RW9USA	16-Jan-1994	1222Z
7008.8	9V1ZE	16-Jan-1994	1219Z
7063.0	VP8BZL	16-Jan-1994	0540Z
7001.0	ZD8Z	16-Jan-1994	0502Z
7003.0	Z21HS	16-Jan-1994	0449Z
7003.0	OA4CWR	16-Jan-1994	0247Z
7065.0	VP8BZL	16-Jan-1994	0155Z
7006.5	UN8OJ	16-Jan-1994	0149Z
7007.0	VP8BZL	16-Jan-1994	0146Z
7009.2	9V1ZE	15-Jan-1994	1304Z
7184.0	P29DX	15-Jan-1994	0837Z
7005.0	4K1F	15-Jan-1994	0821Z

80 METERS

3790.0	P49I	26-Jan-1994	1032Z
3790.3	6Y5IC	26-Jan-1994	0535Z
3790.1	P4/K8GG	26-Jan-1994	0414Z
3506.5	OM3TDO	26-Jan-1994	0335Z
3505.9	VP2MFA	26-Jan-1994	0250Z
3506.0	3B8CF	26-Jan-1994	0202Z
3791.7	P49I	26-Jan-1994	0136Z
3509.3	OK2PLH	26-Jan-1994	0144Z
3506.1	GM3POI	26-Jan-1994	0117Z
3510.8	HZ1AB	26-Jan-1994	0116Z
3799.9	CN8HR	26-Jan-1994	0112Z
3794.2	OM3CBU	26-Jan-1994	0058Z
3790.6	S59ZA	26-Jan-1994	0057Z
3800.0	EL2PP	26-Jan-1994	0009Z
3789.0	9M8DB	25-Jan-1994	2222Z
3505.1	XE1/JA1QXY	25-Jan-1994	1303Z
3506.9	VK6WJ	25-Jan-1994	1159Z
3797.0	EA9IE	25-Jan-1994	0647Z
3515.0	ON6FT	25-Jan-1994	0602Z
3505.5	4U1ITU	25-Jan-1994	0538Z
3501.0	PA3BUD	25-Jan-1994	0521Z
3790.0	SV8JE	25-Jan-1994	0458Z
3796.6	CU2SAR	25-Jan-1994	0452Z
3793.3	OK1AFB	25-Jan-1994	0450Z
3510.6	9A3UF	25-Jan-1994	0445Z
3505.0	OK2PLH	25-Jan-1994	0443Z
3500.9	ON6SA	25-Jan-1994	0442Z
3508.7	S50C	25-Jan-1994	0436Z
3509.0	UY5MV	25-Jan-1994	0415Z
3514.6	A22MN	25-Jan-1994	0408Z
3504.8	S51AP	25-Jan-1994	0355Z
3789.9	GW0OUV	25-Jan-1994	0348Z
3507.3	ZS5LB	25-Jan-1994	0332Z
3512.0	EI5HJ	25-Jan-1994	0257Z
3510.5	LY3ID	25-Jan-1994	0234Z
3513.2	UY5MV	25-Jan-1994	0227Z
3512.2	EI5HJ	25-Jan-1994	0223Z
3505.5	OM3TDO	25-Jan-1994	0107Z
3507.5	US0ZZ	25-Jan-1994	0037Z
3503.0	P29DK	24-Jan-1994	1301Z
3505.0	VK6LW	24-Jan-1994	1256Z
3799.1	TF3TF	24-Jan-1994	1048Z
3790.1	8R1AK	24-Jan-1994	0452Z
3793.9	VO2GUY(2)	24-Jan-1994	0405Z
3798.0	V44KJ	24-Jan-1994	0400Z
3801.0	ZF2MC/ZF8	24-Jan-1994	0342Z
3508.5	PJ5/N4XO	24-Jan-1994	0323Z
3506.7	PZ1DV	24-Jan-1994	0252Z
3801.0	ZF2MC/ZF8	24-Jan-1994	0220Z
3507.0	OZ1CT	24-Jan-1994	0016Z
3510.7	V2/VE3BW	24-Jan-1994	0012Z
3504.3	GW4CZK	24-Jan-1994	0009Z
3500.3	4N7M	23-Jan-1994	2331Z
3519.0	XT2BW	23-Jan-1994	2256Z
3795.5	VK4HF	23-Jan-1994	1237Z
3793.0	KP4PX	23-Jan-1994	1121Z
3799.9	V73C	23-Jan-1994	1114Z
3792.0	SP1CHV	23-Jan-1994	0559Z
3775.0	OK2FD	23-Jan-1994	0553Z
3795.0	CM6LE	23-Jan-1994	0550Z
3795.0	Y09DC	23-Jan-1994	0543Z
3521.3	LY4CW	23-Jan-1994	0442Z
3511.1	ZS6NW	23-Jan-1994	0425Z
3500.8	ON6SAO	23-Jan-1994	0337Z
3503.3	SP7GIQ	23-Jan-1994	0330Z
3507.0	PJ5/N4XO	23-Jan-1994	0315Z
3505.3	FJ/N0IMH	23-Jan-1994	0246Z
3789.7	EI4EE	23-Jan-1994	0015Z
3791.0	9K2MU	23-Jan-1994	0000Z
3513.1	TL8NG	22-Jan-1994	2259Z
3506.5	IS0HQJ	22-Jan-1994	2235Z
3508.9	EA8AF	22-Jan-1994	2233Z
3793.0	9A2RA	22-Jan-1994	2230Z
3514.0	SV1AOZ	22-Jan-1994	2211Z
3795.8	VK4YB	22-Jan-1994	1250Z
3790.6	NH6XM	22-Jan-1994	1219Z
3798.9	JA1ELY	22-Jan-1994	1121Z
3800.0	V73C	22-Jan-1994	1104Z

LOW BAND MONITOR POWER SPOTS - JANUARY 1994

TNX: N8HTT - W8TN - W8AH - AB0X - W0ZV - K9FD - K4KUZ - N5WA - SM4CAN- WA0PUJ - K6SSS

80 METERS

3795.0	JA7SGV	22-Jan-1994	1038Z
3797.6	LU4FFG	22-Jan-1994	0942Z
3508.0	V2/VE3BW	22-Jan-1994	0659Z
3505.9	4K1F	22-Jan-1994	0610Z
3799.6	OK2FD	22-Jan-1994	0605Z
3801.6	YS9DC	22-Jan-1994	0540Z
3785.2	HB9VW	22-Jan-1994	0455Z
3508.6	TK5KMG	22-Jan-1994	0401Z
3785.1	V44NK	22-Jan-1994	0352Z
3794.6	S50N	22-Jan-1994	0349Z
3511.9	ZS6NW	22-Jan-1994	0339Z
3793.0	Z31GX	22-Jan-1994	0314Z
3788.8	ZF8AA	22-Jan-1994	0308Z
3505.2	FJ/N0IMH	22-Jan-1994	0242Z
3797.0	S570	22-Jan-1994	0231Z
3507.1	UY5MV	22-Jan-1994	0221Z
3500.9	ZS6NW	22-Jan-1994	0150Z
3506.5	PZ1DV	22-Jan-1994	0133Z
3505.0	OM3CBU	22-Jan-1994	0055Z
3799.1	HJ6SQQ	22-Jan-1994	0021Z
3794.0	EA9IE	21-Jan-1994	2014Z
3799.2	7X2BK	21-Jan-1994	2012Z
3797.2	YS9DC	21-Jan-1994	0508Z
3791.5	HH2LQ	21-Jan-1994	0432Z
3799.7	SP1PEA	21-Feb-1994	0309Z
3506.0	CT4DX	21-Feb-1994	0219Z
3798.0	LX1DB	20-Jan-1994	2258Z
3506.8	GW0TSW	20-Jan-1994	2246Z
3504.7	OH6AAE	20-Jan-1994	2245Z
3506.3	UA6AMD	20-Jan-1994	2239Z
3513.6	SP3GEM	20-Jan-1994	2206Z
3799.0	TI5RLI	18-Jan-1994	1121Z
3799.5	TL8NG	18-Jan-1994	0458Z
3506.2	HA9RT	18-Jan-1994	0403Z
3506.8	3DA0BK	18-Jan-1994	0312Z
3508.4	ON4TH	18-Jan-1994	0326Z
3509.8	PZ1DV	18-Jan-1994	0317Z
3797.0	CM7CM	18-Jan-1994	0244Z
3505.9	3B8CF	18-Jan-1994	0214Z
3799.2	HA3HV	18-Jan-1994	0250Z
3504.6	HA9RT	18-Jan-1994	0231Z
3794.6	SP9CXX	18-Jan-1994	0159Z
3506.1	3B8CF	18-Jan-1994	0203Z
3506.8	VP8BZL	18-Jan-1994	0152Z
3800.0	ON5CD	17-Jan-1994	2319Z
3505.0	GW4CZK	17-Jan-1994	2314Z
3789.0	UN7TX	17-Jan-1994	2304Z
3789.0	T77J	17-Jan-1994	2304Z
3789.0	TU5DX	17-Jan-1994	2250Z
3789.0	9V1XQ	17-Jan-1994	2230Z
3789.0	9K2MU	17-Jan-1994	2206Z
3519.0	XT2BW	17-Jan-1994	0632Z
3799.7	A92BE	17-Jan-1994	0340Z
3506.0	3B8CF	17-Jan-1994	0148Z
3789.1	5T5JC	16-Jan-1994	2334Z
3505.2	ZS6QU	16-Jan-1994	2234Z
3789.0	5T5JC	16-Jan-1994	2221Z
3794.5	5B4ADA	16-Jan-1994	2112Z
3507.0	HZ1AB	16-Jan-1994	1511Z
3781.0	HZ1AB	16-Jan-1994	1511Z
3500.6	ZD8Z	16-Jan-1994	0439Z
3796.0	9A2RA	16-Jan-1994	0104Z
3508.0	UX1BZ	15-Jan-1994	2349Z
3792.0	LX1UN	15-Jan-1994	2351Z
3505.6	RZ1AWJ	15-Jan-1994	2348Z
3505.0	EY8JA	15-Jan-1994	2343Z
3796.5	9A2RA	15-Jan-1994	2354Z
3797.5	HR2BDC	15-Jan-1994	2341Z
3783.2	OE8SKQ	15-Jan-1994	2236Z
3506.1	ZA/OK2PSZ	15-Jan-1994	2146Z
3789.0	TL8NG	15-Jan-1994	2144Z
3789.0	9V1XQ	15-Jan-1994	2144Z
3799.1	RZ9MXM	15-Jan-1994	2037Z
3794.0	EY8CQ	15-Jan-1994	2028Z
3502.0	RZ9UA	15-Jan-1994	1125Z
3800.0	GD4PTV	15-Jan-1994	0803Z
3506.3	A22MN	15-Jan-1994	0154Z
3506.0	A22MN	15-Jan-1994	0148Z

160 METERS

1831.7	P4/K8GG	26-Jan-1994	0321Z
1830.5	FG5BG	26-Jan-1994	0253Z
1832.6	FM5BH	26-Jan-1994	0241Z
1827.0	GI3OQR	25-Jan-1994	2213Z
1846.8	G3PQA	25-Jan-1994	0551Z
1840.0	PJ2HB	25-Jan-1994	0451Z
1843.0	P40U	25-Jan-1994	0255Z
1833.2	FG5BG	25-Jan-1994	0251Z
1830.9	HP1XBH	25-Jan-1994	0240Z
1832.7	CO6CG	25-Jan-1994	0012Z
1830.0	6W6JX	24-Jan-1994	2247Z
1824.8	GD4BEG	24-Jan-1994	2156Z
1831.9	ON4AGX	24-Jan-1994	2140Z
1829.0	SM5EDX	24-Jan-1994	2136Z
1825.9	G3PQA	24-Jan-1994	2123Z
1824.8	OM3CBU	24-Jan-1994	2123Z
1834.0	YU7AU	24-Jan-1994	2122Z
1826.4	OM3PA	24-Jan-1994	2117Z
1834.1	PA0LEG	24-Jan-1994	2114Z
1833.7	GD4BEG	24-Jan-1994	0631Z
1830.8	I4EAT	24-Jan-1994	0549Z
1836.4	P40U	24-Jan-1994	0513Z
1832.1	4X4NJ	24-Jan-1994	0424Z
1833.1	VP2VI	24-Jan-1994	0406Z
1835.0	VP2MFA	24-Jan-1994	0355Z
1825.0	ZF1EJ	24-Jan-1994	0314Z
1843.0	CN8GI	24-Jan-1994	0235Z
1831.0	YL2DX	24-Jan-1994	0159Z
1865.9	VS6BG	24-Jan-1994	0017Z
1833.2	G4BUO	23-Jan-1994	2345Z
1826.3	SM6CTQ	23-Jan-1994	2348Z
1831.5	I3JSS	23-Jan-1994	2303Z
1835.0	6W6JX	23-Jan-1994	2249Z
1833.4	IT9ZGY	23-Jan-1994	0513Z
1833.5	V2/VE3BW	23-Jan-1994	0333Z
1834.1	KG4AN	23-Jan-1994	0258Z
1834.5	FM5BH	22-Jan-1994	2247Z
1842.0	FK8CP	22-Jan-1994	1337Z
1830.0	ON4UN	22-Jan-1994	0629Z
1828.3	CL6TO	22-Jan-1994	0614Z
1833.0	DL1DA	22-Jan-1994	0606Z
1840.0	DL5XU	22-Jan-1994	0559Z
1827.7	OM3TZQ	22-Jan-1994	0555Z
1823.7	HB9ANJ	22-Jan-1994	0549Z
1820.7	LA5SAA	22-Jan-1994	0545Z
1832.0	IV3PRK	22-Jan-1994	0547Z
1831.0	OE1SF	22-Jan-1994	0545Z
1821.7	HB9ANJ	22-Jan-1994	0540Z
1847.0	CT4NH	22-Jan-1994	0531Z
1850.0	I3MAU	22-Jan-1994	0529Z
1834.0	DK7SU	22-Jan-1994	0528Z
1835.6	IV3YYK	22-Jan-1994	0528Z
1815.3	LA5SAA	22-Jan-1994	0528Z
1832.8	DJ9RB	22-Jan-1994	0517Z
1843.0	LA5UF	22-Jan-1994	0513Z
1828.5	SM4CAN	22-Jan-1994	0505Z
1824.1	YU7AU	22-Jan-1994	0511Z
1831.9	EA3JJ	22-Jan-1994	0505Z
1844.8	OK1DOT	22-Jan-1994	0457Z
1833.8	OZ8ABE	22-Jan-1994	0453Z
1817.5	LA5SAA	22-Jan-1994	0448Z
1840.2	DL5XU	22-Jan-1994	0445Z
1832.2	PT7AQ	22-Jan-1994	0410Z
1828.0	YO3APJ	22-Jan-1994	0358Z
1831.7	UA6AQJ	22-Jan-1994	0356Z
1834.9	OM3TZQ	22-Jan-1994	0351Z
1829.0	G3ZFC	22-Jan-1994	0342Z
1833.6	HB9FAF	22-Jan-1994	0345Z
1835.1	PZ1DV	22-Jan-1994	0320Z
1832.0	ZS6EZ	22-Jan-1994	0330Z
1831.3	HB9FAF	22-Jan-1994	0319Z
1835.2	VP2MFA	22-Jan-1994	0252Z
1828.1	OM3TQX	22-Jan-1994	0238Z
1833.3	4X4NJ	22-Jan-1994	0221Z
1834.0	PY5CC	22-Jan-1994	0223Z
1830.9	OM3TZQ	22-Jan-1994	0217Z
1828.0	G0PZX	22-Jan-1994	0215Z
1833.3	GJ3YHU	22-Jan-1994	0211Z

160 METERS

1840.0	C6AGN	21-Jan-1994	0327Z
1827.0	VP9MZ	21-Jan-1994	0219Z
1830.1	ON4ACG	20-Jan-1994	2203Z
1830.8	SM5EDX	20-Jan-1994	2142Z
1827.0	V2/VE3BW	19-Jan-1994	0049Z
1840.0	TL8NG	18-Jan-1994	0500Z
1829.1	SV1AOZ	18-Jan-1994	0455Z
1833.0	OM3CBU	18-Jan-1994	0445Z
1850.0	OM3CQR	18-Jan-1994	0437Z
1832.0	4X4NJ	18-Jan-1994	0430Z
1836.6	GJ3YHU	18-Jan-1994	0345Z
1832.0	PA0HIP	18-Jan-1994	0234Z
1830.0	G3ZFC	18-Jan-1994	0231Z
1845.1	VP9HE	18-Jan-1994	0139Z
1834.8	G3ITH	18-Jan-1994	0125Z
1830.5	ZS5LB	17-Jan-1994	2145Z
1832.3	EA8PP	17-Jan-1994	0515Z
1828.5	5B4ADA	17-Jan-1994	0447Z
1836.9	UC2WAF	17-Jan-1994	0446Z
1832.0	4K1F	17-Jan-1994	0440Z
1832.7	4X4NJ	17-Jan-1994	0439Z
1833.8	UA6AQJ	17-Jan-1994	0433Z
1830.7	UR5IUQ	17-Jan-1994	0426Z
1826.0	ZF1EJ	17-Jan-1994	0359Z
1827.7	PY2BW	17-Jan-1994	0352Z
1833.7	4K1F	17-Jan-1994	0343Z
1831.3	UA6AQJ	17-Jan-1994	0333Z
1827.4	HP1XBHT	17-Jan-1994	0333Z
1828.8	S59A	17-Jan-1994	0332Z
1832.0	EA3KU	16-Jan-1994	2221Z
1831.7	EA3VY	16-Jan-1994	0646Z
1826.0	VP8BZL	16-Jan-1994	0443Z
1829.0	SM5EDX	16-Jan-1994	0133Z
1837.5	5N0MVE	16-Jan-1994	0052Z
1828.4	TG9AC	16-Jan-1994	0046Z
1830.1	UY5BA	16-Jan-1994	0031Z
1833.1	9A2AW	16-Jan-1994	0010Z
1837.4	5N0MVE	16-Jan-1994	0020Z
1833.1	9A2AW	15-Jan-1994	2346Z
1832.1	VP5/K9BG	15-Jan-1994	2341Z
1837.3	5N0MVE	15-Jan-1994	2333Z
1823.9	9A2TW	15-Jan-1994	2338Z
1827.3	9A2AW	15-Jan-1994	2237Z
1833.0	PY5CC	15-Jan-1994	2308Z
1833.2	YL1WW	15-Jan-1994	2259Z
1840.0	CU2CE	15-Jan-1994	0731Z
1830.8	GD4BEG	15-Jan-1994	0730Z
1834.7	EA3VY	15-Jan-1994	0700Z
1832.0	GD4BEG	15-Jan-1994	0655Z
1828.0	DK7SU	15-Jan-1994	0645Z
1831.9	P4/W1EKT	15-Jan-1994	0345Z
1831.0	HP1XBH	15-Jan-1994	0330Z
1835.0	PY0FF	15-Jan-1994	0310Z

CQ 160 CW CONTEST SCORE RUMORS

CALL	QSO	CONT	DIST
AB4RU	1160	48	56
N6DX	968	24	56
KY0A	972	22	56
W7XR	905	22	56
K0RF	902	17	55

"Conditions doeth sucketh."

Wilbur Shakespere